

Koch, Kristine

From: Koch, Kristine <Koch.Kristine@epa.gov>
Sent: Thursday, October 02, 2014 3:41 PM
To: Jennifer Woronets
Cc: Amanda Shellenberger; Carl Stivers; Bob Wyatt; Jim McKenna (jim.mckenna@verdantllc.com); King, Todd W.; Mullin, Jeanette; Patty Dost; Scott Coffey (coffeyse@cdmsmith.com); Sheldrake, Sean; Gene Revelas
Subject: RE: EPA FS Database

Carl - We have no additional data to add.

Thanks,

Kristine Koch
Remedial Project Manager
USEPA, Office of Environmental Cleanup

U. S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, Suite 900, M/S ECL-115 Seattle, Washington 98101-3140

(206)553-6705
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1-800-424-4372 extension 6705 (M-F, 8-4 Pacific Time, only)

From: Jennifer Woronets [mailto:jworonets@anchorqea.com]
Sent: Thursday, October 02, 2014 11:37 AM
To: Koch, Kristine
Cc: Amanda Shellenberger; Carl Stivers; Bob Wyatt; Jennifer Woronets; Jim McKenna (jim.mckenna@verdantllc.com); King, Todd W.; Mullin, Jeanette; Patty Dost; Scott Coffey (coffeyse@cdmsmith.com); Sheldrake, Sean; Gene Revelas
Subject: FW: EPA FS Database

Kristine,

Please see below from Carl.

Let us know if you have any questions.

Thank you,

Jen Woronets J

Anchor QEA, LLC

jworonets@anchorqea.com

421 SW Sixth Avenue, Suite 750

Portland, OR 97204

503-972-5014

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From: Carl Stivers

Sent: Thursday, October 02, 2014 11:19 AM

To: Jennifer Woronets

Cc: James McKenna; Patty Dost; Amanda Shellenberger; Bob Wyatt; Gene Revelas (grevelas@integral-corp.com<<mailto:grevelas@integral-corp.com>>)

Subject: FW: EPA FS Database

Kristine -

The LWG discussed this request and agrees to make the database corrections noted in Amanda's email below. I do not have a specific timeline for you yet on when these corrections will be complete, but we do not anticipate this taking much time. I will keep you posted on our progress.

In your email you referred to using "all acceptable data collected to date". Amanda focused on correcting the Gasco and Arkema early action data, which is consistent with our recent FS technical discussions. Can you please confirm whether there is any other data you wish to add or evaluate for correctness for the revised FS?

Thanks much.

Carl

Carl Stivers

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From: Koch, Kristine [mailto:Koch.Kristine@epa.gov]
Sent: Tuesday, September 30, 2014 8:42 AM
To: Jennifer Woronets
Cc: Amanda Shellenberger; Bob Wyatt; Carl Stivers; Jim McKenna
(jim.mckenna@verdantllc.com<mailto:jim.mckenna@verdantllc.com>); King, Todd W.; Mullin, Jeanette; Patty Dost;
Scott Coffey (coffeyse@cdmsmith.com<mailto:coffeyse@cdmsmith.com>); Sean Sheldrake
Subject: RE: EPA FS Database

Amanda –

EPA reviewed the FS database corrections Excel file provided by LWG on September 19, 2014. We would like to incorporate this data into the EPA FS database as EPA would prefer to use all acceptable data collected to date for the Portland Harbor Site. However, a couple of issues were identified which make incorporation of this data into the FS database more difficult as discussed below.

1) The row headings in the supplemental spreadsheet do not exactly match the FS database field names, and some field names (and associated pertinent information) appear to be missing (e.g., Depth_classification, River_Stream_Mile).

2) Identifying records to be deleted and replaced within the FS database presents a challenge. EPA added a unique identifier to each record in the EPA FS database but the Excel file provided by LWG does not use this unique identifier so identifying the exact records to be deleted and replaced will be difficult.

Given LWG's recent review of the EPA FS database and familiarity with the data to be added and deleted/replaced (including access to currently missing field information), we request that LWG provide EPA an updated version of the EPA FS database with these corrections incorporated within the dataset.

Please contact me if you have any questions.

Regards,

Kristine Koch
Remedial Project Manager
USEPA, Office of Environmental Cleanup

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From: Jennifer Woronets [mailto:jworonets@anchorqea.com]
Sent: Friday, September 19, 2014 8:07 AM
To: Koch, Kristine
Cc: Amanda Shellenberger; Bob Wyatt; Carl Stivers; Jennifer Woronets; Jim McKenna (jim.mckenna@verdantllc.com<mailto:jim.mckenna@verdantllc.com>); King, Todd W.; Mullin, Jeanette; Patty Dost; Scott Coffey (coffeyse@cdmsmith.com<mailto:coffeyse@cdmsmith.com>); Sheldrake, Sean
Subject: EPA FS Database

Kristine,

The following email is provided on behalf of Amanda.

We have completed review of EPA's FS database transmitted by EPA on July 24, 2014 and confirmed that the database matches the Draft FS database except for EE/CA sediment data from Arkema and Gasco. The updated draft Section 1.3 text and Appendix A provided to EPA on September 17, 2014 reflect this understanding. However, we wanted to bring your attention to a few additional QA/QC issues the LWG found with the data that are summarized below. It is recommended that the missing data and corrected sediment results be incorporated into the EPA FS database.

It appears that 10 sediment sampling results in AOPC 14 are missing from both the Draft FS and EPA FS databases:

- * SO1886
- * SO1891
- * SO1902
- * SO1907
- * SO1921
- * SO1939
- * SO1957
- * SO1968
- * SO1976
- * SO1981

These sediment samples were originally collected as part of the Phase II Stage 2 investigation conducted in February and March of 2003 by ATOFINA Chemicals. The samples were originally archived at the laboratory and subsequently analyzed in March of 2005 to fill data gaps identified during the development of the draft Arkema EE/CA work plan. The samples were analyzed for the 6 DDx isomers, total organic carbon, and total solids. The analytical results for these samples, including calculated totals, are presented in the attached Excel file.

In addition, it appears that the following 8 sediment samples have incorrect DDT, total DDT, and total DDx values in the EPA FS database and the draft FS database:

- * SO1890
- * SO1917
- * SO1934
- * SO1956
- * SO1910
- * SO1982
- * SO1922
- * SO1941

These samples were also collected as part of the Phase II Stage 2 investigation conducted in February and March of 2003 by ATOFINA Chemicals. During this investigation, all sediment samples were field screened for the presence of DDT using thin layer chromatography (TLC) to provide guidance on the selection of samples for laboratory analysis. The TLC field screening values were inadvertently averaged with the DDT laboratory analytical results for these samples. The corrected DDT, total DDT, and total DDx values for these samples are presented in the attached Excel file.

Thanks, and please let us know if you'd like to discuss further.

Amanda Shellenberger, P.E.

ANCHOR QEA, LLC

Please let us know if you have any questions.

Thank you,

Jen Woronets J

Anchor QEA, LLC

jworonets@anchorqea.com

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